CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.15/KRIDL/CUBE/2014-15

21.08.2014

TEST REPORT ON CONCRETE CUBES

Client	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
Agency	: **Technical Manager (West),** KRIDL, Bangalore.
Name of the work	: Construction and improvements of RCC roads and drains Coconut Garden Sarojamma House Road and Ganesha Saw Mill Cross Road in Ward No. 15, Dasarahalli, BBMP, Bangalore.
Reference	: EE/DD/WO/124/2014-15 Dated: 03.07.2014
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.07.2014	21.08.2014	8.125	479.6	21.32
2	24.07.2014	21.08.2014	8.260	512.3	22.77
3	24.07.2014	21.08.2014	8.358	528.3	23.48

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

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Job No.: CTCE/BBMP/WNo.15/KRIDL/Precast slab/2014-15

28.07.2014

TEST REPORT ON CONCRETE CORE (PRECAST SLAB)

Name of Client	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
Name of Agency	:	**Technical Manager (West),** KRIDL, Bangalore.
Name of work	:	Construction and improvements of RCC roads and drains Coconut Garden Sarojamma House Road and Ganesha Saw Mill Cross Road in Ward No. 15, Dasarahalli, BBMP, Bangalore.
Reference	:	EE/DD/WO/124/2014-15 Dated: 03.07.2014
No.of Sample Tested	:	03
Date of Testing	:	28.07.2014
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	75.00	0.370	2512.53	1.50	0.955	32.1	16.35	17.66	16.86	21.08
2	50.00	77.00	0.380	2513.41	1.54	0.964	32.9	16.76	18.10	17.44	21.81
3	50.00	78.00	0.388	2533.42	1.56	0.960	33.6	17.11	18.48	17.74	22.18

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